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April 19, 1983

Mr. Marc Nelson  
Bureau of Land Management  
505 Marquette Avenue, N.W., Suite 815  
Albuquerque, N.M. 87102

Dear Mr. Nelson:

As you are aware, Anaconda submitted a reclamation plan for approval in September, 1980. When the Department of Interior (MMS), received that plan, the Department proceeded to conduct an Environmental Impact Study of the proposed Reclamation Plan. The Department and its associates in the Study requested that Anaconda respond to a set of seventy-nine (79) questions related to our plan. These responses were submitted to the Department as requested. Although Anaconda replaced the September, 1980, plan with the currently proposed plan in March, 1982, a number of comments and responses made concerning the earlier plan still remain applicable to the current plan. At achment No. 1 of this letter is a review of the previously submitted responses with comments as to the applicability of each response to the March 1982 plan. Anaconda requests that the Attachment No. 1 as well as all the data, reports and studies accompanying the original response be incorporated into the EIS record and Anaconda's March, 1982 Reclamation Plan.

We also request that the letter to Mr. Marc Nelson signed by William Gray, dated 30 March 1981, be incorporated into the EIS record and Anaconda's March 1982 Reclamation Plan. A copy of Mr. Gray's letter is included herein as Attachment #2.

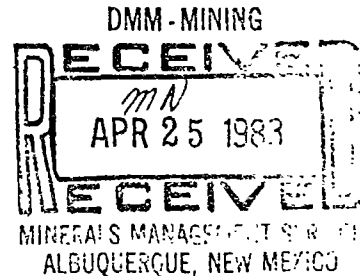
Thank you for your attention to this matter.

Very truly yours,

W. C. Norem  
General Manager

mls

cc: Honorable Edwin Martinez  
Roland Johnson



QUESTION #1

To adequately assess the final reclaimed land forms, additional detail must be provided. Please submit the cross-sections shown in red on the attached map.

RESPONSE #1

The original response to the 1980 plan question is not applicable to the 1982 plan. This subject is addressed in the March 1982 Reclamation Plan and Response 25 of the questions pertaining to the 1982 plan.

QUESTION #2

In order to evaluate the post-reclamation land forms, a contour map of the final topography is necessary. Please provide a topographic map (20 foot contour interval) showing the impacted area as it would appear after reclamation is completed.

RESPONSE #2

The original response to the 1980 plan is not applicable to the 1982 plan. Information on this subject is contained in the March 1982 Reclamation Plan and the contour map submitted for Response 25 (revised 7-1-82) of the questions pertaining to the 1982 plan.

QUESTION #3

Please provide a detailed discussion and maps that show the post-reclamation drainage patterns in the pits.

RESPONSE #3

The original response to the 1980 plan question is not applicable to the 1982 plan. This topic is addressed in the March 1982 Reclamation Plan.

QUESTION #4

To the present time, no waste pile slope has retained topsoil for more than two years despite intensive efforts to revegetate. Both sheet wash and rill erosion have eroded the slopes from top to bottom. Although the overall slope on many of the dumps will be reduced by benching, the dumps will still contain material at a slope of 1-1. Please provide substantiation that the slopes indicated for the dumps, backfill, and buttresses will be stable against sheet wash and rill erosion; and provide the slope stability study mentioned on page 24.

RESPONSE #4

The original response to the 1980 plan question is not applicable to the 1982 plan. This topic is addressed in the March 1982 Reclamation Plan.

QUESTION #5

The plan states that some of the waste pile slopes would be benched at 45-foot intervals, some at 70-foot intervals, and one as high as 180 feet would not be benched at all. Please provide the specific criteria used to justify these differences.

RESPONSE #5

The original response to the 1980 plan question is not applicable to the 1982 plan. Information on this subject is contained in the March 1982 Reclamation Plan.

QUESTION #6

The proposed final grade on the waste pile slopes varies from 2:1 to 4:1, even though all dumps contain essentially the same material. Please provide the specific criteria used to justify this difference.

RESPONSE #6

The original response to the 1980 plan question is not applicable to the 1982 plan. Information on this topic is contained in the March 1982 Reclamation Plan.

QUESTION #7

Page 28 states that different slope stability situations were analyzed for stability and the results were used to determine the slope angle considered safe. The adequacy of these slope angles cannot be assessed with the information contained in the plan. Please submit a copy of the consulting rock mechanic's report.

RESPONSE #7

The original response to the 1980 plan question applies to the 1982 plan. The consultant's report "Waste Dump Stability Analysis, Jackpile Mine Area" was submitted on January 22, 1981.

QUESTION #8

The plan states that each terrace has been designed with erosion control features, berms, and drainages. Please provide a detailed description of these features, including their design criteria, locations, heights, etc.

RESPONSE #8

The original response to the 1980 plan question applies to the 1982 plan. Further information on this subject is included in the March 1982 Reclamation Plan and Response 8 of the questions pertaining to the 1982 plan.

QUESTION #9

Page 32 states that topographic maps made in 1938, 1949, and 1980 show that the majority of the siltation of Mesita Reservoir occurred prior to mining activities. Please provide a copy of those maps, and a discussion of their interpretation.

RESPONSE #9

The original response to the 1980 plan question applies to the 1982 plan. The consultant's report "Geotechnical Consultation Sedimentation in Paguate Reservoir south of the Jackpile Mine" was submitted on January 22, 1981.

QUESTION #10

Pages 33 and 34 state that there will be two topsoil borrow areas as depicted on Plate 4.1-2. Please provide a detailed description of these areas and the impacts of topsoil removal (e.g., thickness of topsoil to be removed, resulting landforms, specific reclamation procedures for borrow areas, etc.).

RESPONSE #10

The original response to the 1980 plan question applies to the 1982 plan. Even though the south borrow site was deleted in the 1982 plan, the procedure for removing soil from the north borrow area remains unchanged.

QUESTION #11

Page 26 states that livestock access will be provided to each of the open pits. Please provide a map showing the types and locations of the access to be provided.

RESPONSE #11

The original response to the 1980 plan question is not applicable to the 1982 plan. Information on this topic is contained in the March 1982 Reclamation Plan.

QUESTION #12

Many of the waste pile slopes are not scheduled for modification, even though their slopes are identical to some piles that are scheduled for modification. The South Dump is a typical example. Please provide the specific criteria used to justify these differences.

RESPONSE #12

The original response to the 1980 plan question is not applicable to the 1982 plan. Dump slope design is addressed in the March 1982 Reclamation Plan.

QUESTION #13

Please provide the details on the amount, location, and chemical content of the waste that has already been used for backfilling.

RESPONSE #13

The original response to the 1980 plan question applies to the 1982 plan. Further information on this subject is included in the March 1982 Reclamation Plan.

QUESTION #14

Cross-sections A-A', B-B', and C-C' show that the toe of South Dump will lie on level ground after reclamation is completed. Since the toe presently lies on the slope of Oak Canyon, it must be cut back from the canyon wall in order to terminate on level ground. Please discuss the distance that the dump will be cut back from the canyon wall, and the erosion control features that will be constructed between the toe and the canyon wall.

RESPONSE #14

The original response to the 1980 plan question is not applicable to the 1982 plan. Information related to this topic is contained in the March 1982 Reclamation Plan.

QUESTION #15

Section 6.2.2 (pages 35-36) states that "The ventholes will be filled with overburden material, bulkheaded, and plugged with concrete. The areas around the ventholes will be contoured and reseeded." Please provide a detailed description of the filling, bulkheading, plugging, contouring, and seeding procedures to be used (e.g., present condition of venthole's casing, etc.; composition of fill material and allowances for settling; details of bulkhead construction; details of the concrete plug's thickness, location with hole column). Also, Plate 4.1-4 needs to be revised to show the locations of the ventholes for the proposed P-13 and "J-45 Mines.

RESPONSE #15

The original response to the 1980 plan question is not applicable to the 1982 plan. Information related to this topic is contained in the March 1982 Reclamation Plan and Response 15 of the questions pertaining to the 1982 plan.

QUESTION #16

Section 6.2-3 (page 36) discusses the closing of adits and declines. Please provide a detailed description of the procedures to be used, including the present condition of mine entries (size, existing support, etc.); composition of fill material and allowances for settling; construction of seals or bulkheads in entries, etc. Entries presenting specific problems, such as the Woodrow Shaft, should be discussed individually. Also, the entries for the proposed P-13 and NJ-45 Mines must be included in the discussion.

RESPONSE #16

The original response to the 1980 plan question is not applicable to the 1982 plan. Procedures for adit closures are contained in Response 14 of the questions pertaining to the 1982 plan.

QUESTION #17

Please provide the details on the plugging of exploration holes and drill site cleanup (e.g., locations, sloping of cuts, replacement of displaced rock, borehole plugging procedures, sealing mixtures and procedures).

RESPONSE #17

The original response to the 1980 plan question applies to the 1982 plan. Information on this subject is also contained in the March 1982 Reclamation Plan. Plugging of exploration holes will resume when full scale reclamation activities begin at the Jackpile-Paguate Mine.

QUESTION #18

Please provide the underground subsidence study mentioned on Page 24, and a discussion of the type and location of the ground support measures to be implemented.

RESPONSE #18

The original response to the 1980 plan question applies to the 1982 plan. The consultant report "Subsidence Study - Underground Mines" was submitted on February 10, 1981. Reclamation reports of the 1400 Stope, PW 2/3 and the Alpine Mine were submitted April 26, 1982.

QUESTION #19

Please alter the appropriate maps to show the locations of abandoned mines H-1 and P-9-2.

RESPONSE #19

The original response to the 1980 plan applies to the 1982 plan. This information is also correctly shown in the March 1982 Reclamation Plan.

QUESTION #20

One reclamation alternative that the Geological Survey will consider is the placing of all waste material that contains more than .02 percent U308 into one location for possible future recovery, or heap leaching, and for environmental protection. Please provide a discussion of any preferred location that would optimize recovery, yet be environmentally safe should this material not become economical to recover or heap leach in the future.

RESPONSE #20

The original response to the 1980 plan question applies to the 1982 plan.

QUESTION #21

Please submit a detailed list of the U308 content of all waste piles and protore piles. This information should be submitted under separate cover, since it must be held confidential.

RESPONSE #21

The original response to the 1980 plan question is not applicable to the 1982 plan. The current status of mineralization of waste and protore piles is contained in Response 5 of the questions pertaining to the 1982 plan.

QUESTION #22

Please provide a discussion and maps of all remaining unmined reserves (location, grade, and economic potential). This information should be submitted under separate cover, since it must be held confidential.

RESPONSE #22

The original response to the 1980 plan question applies to the 1982 plan.

QUESTION #23

The plan states that the amount of backfill to be placed in the open pits will be determined "by the extent of radiological mineralization on the pit floor and up the pit walls, and the projected groundwater level" (6.1.2.1, page 26); however, the plan does not specify the groundwater recovery level or recovery period. The plan also states that "there may be very limited recovery of groundwater into backfilled pits" (6.1.9, page 33); but there is no discussion of what impacts such recovery may have on the backfill. Furthermore, the plan does not show the potentiometric surface of the groundwater in the Jackpile Sandstone throughout the entire area disturbed by mining operations (Plate 4.2.2). In order to assess and resolve these concerns, as well as provide other necessary hydrologic information for the area to be affected by reclamation, we request that the hydrology study conducted for Anaconda be submitted.

RESPONSE #23

The original response to the 1980 plan question is not entirely applicable to the 1982 plan. Information on this subject is contained in the March 1982 Reclamation Plan and the associated consultant report "Groundwater Hydrology of the Jackpile-Paguate Mine, New Mexico" that was submitted March 30, 1981.

QUESTION #24

Please provide a discussion of the method and depth of cover to be placed over the in situ Jackpile Sandstone that remains in the pit walls.

RESPONSE #24

The original response to the 1980 plan question is not applicable to the 1982 plan. This topic is addressed in the March 1982 Reclamation Plan and also Response 23 of the questions pertaining to the 1982 plan.

QUESTION #25

Please provide a discussion of the stream channel stabilization measures that would be implemented to prevent the Rio Paguate and Rio Moquino from eroding into the waste piles.

RESPONSE #25

The original response to the 1980 plan question applies generally to the 1982 plan.

QUESTION #26

Page 32 states that a radiological report is being prepared on the sediment in Mesita Reservoir. Please provide this report when it is completed.

RESPONSE #26

The original response to the 1980 plan question applies to the 1982 plan. The consultant report, "Radiological Characterization of Paguate Reservoir at Laguna, New Mexico" was submitted to the U.S.G.S. (MMS) on April 6, 1981.

QUESTION #27

The plan states on Page 32, that the dumps will be cut back approximately 200 feet from the stream centerline, but cross-sections M-M', P-P', D-D', and E-E' show that these dumps will be cut back only 125 to 140 feet. Please provide a justification for this discrepancy.

RESPONSE #27

The original response to the 1980 plan question is not applicable to the 1982 plan. Information on this subject is contained in the March 1982 Reclamation Plan.

QUESTION #28

In previous discussions on reclamation of the site, Anaconda had stated that the Rio Pagate would be returned to its original route. Please provide a detailed discussion of the location and procedure for returning the Rio Pagate to its original route, or a justification for not performing this work.

RESPONSE #28

The original response to the 1980 plan question applies to the 1982 plan.

QUESTION #29

Please provide a discussion of the criteria used to determine that cutting the waste pile back 200 feet from the stream center line is sufficient to assure that they would not be eroded by the streams. Has Anaconda performed a flood analysis of the Rio Pagate and Rio Moquino to determine the effects of flooding on the dumps?

RESPONSE #29

The original response to the 1980 plan question applies generally to the 1982 plan.

QUESTION #30

Has Anaconda considered mixing shale with the ore associated waste that will be used for backfill in the pits in order to create a reducing environment, and aid in the precipitation of the uranium from the groundwater?

RESPONSE #30

The original response to the 1980 plan question applies to the 1982 plan.

QUESTION #31

The minimum amount of backfilling that will be performed in the pits needs to be clarified. To what height above the aquifer recharge level will backfilling be performed? Will backfilling be above the original (pre-mining) level of the Jackpile Sandstone? Please provide a discussion of the above.

RESPONSE #31

The original response to the 1980 plan question is not applicable to the 1982 plan. Information on this subject is given in the March 1982 Reclamation Plan and Response 16 of the questions pertaining to the 1982 plan.

QUESTION #32

The plan states that waste dumps will be covered with four (4) feet of "non-hazardous" material, and two (2) feet of "fill material" to mitigate the potential radiological hazards. Please discuss the specific standard that is being used as radiologically safe, and the criteria used to show that six (6) feet of top-dressing will be sufficient to meet this standard.

RESPONSE #32

The original response to the 1980 plan question is not applicable to the 1982 plan. This topic is discussed on is contained in the March 1982 Reclamation Plan.

QUESTON #33

Please discuss the expected post-reclamation radon concentrations in the immediate vicinity of the mine.

RESPONSE #33

The original response to the 1980 plan question applies to the 1982 plan. Radon-222 data from the four permanent monitoring stations at the mine is also submitted to the MMS on a regular basis.

QUESTION #34

Page 37 states that "reclamation specifically excludes any guarantee of habitability of the reclaimed and stabilized hazardous materials." Please provide a detailed discussion of the areas you wish included under this statement, and the justification for labeling the areas as uninhabitable. Page 7 states that the elimination of health and safety hazards is the prime objective of the reclamation plan. Evidently this objective can only be partially achieved. Please discuss additional measures that could be implemented to fully achieve this objective.

RESPONSE #34

The original response to the 1980 plan question applies to the 1982 plan. This subject is also addressed in the March 1982 Reclamation Plan and response #30 of the MMS questions pertaining to the 1982 plan.

QUESTION #35

Table 6.1-1 lists the top-dressing for various reclaimed dumps. Were these dumps covered with four (4) feet of cover in addition to the top-dressing listed on the table? If not, please explain why these dumps do not require this extra cover, while the dumps to be reclaimed do.

RESPONSE #35

The original response to the 1980 plan question applies to the 1982 plan. Dump top-dressing is discussed in the March 1982 Reclamation Plan.

QUESTION #36

What degree of compaction will be performed on the four feet of cover?

RESPONSE #36

The original response to the 1980 plan question applies to the 1982 plan.

QUESTION #37

Open pit cross-sections show proposed backfill will receive cover, while existing backfill will receive only topsoil (e.g., Plate 6.1-2C). Please provide the criteria used to determine the selective placement of cover.

RESPONSE #37

The original response to the 1980 plan generally question applies to the 1982 plan. However, the cross-sections of the 1980 plan have been changed in the 1982 plan.

QUESTION #38

Please provide a justification for placing two (2) feet of topsoil on the dumps, but only one (1) foot of topsoil on the pit backfill.

RESPONSE #38

The original response to the 1980 plan question is not applicable to the 1982 plan.

QUESTION #39

Please provide a detailed map showing the location of the undisturbed rangeland comparison plot that is referred to on Pages 8 and 20. Please present a detailed analysis of species abundance, diversity, and chemical content of the species on these plots.

RESPONSE #39

The original response to the 1982 plan question applies to the 1982 plan, however, the page number quoted apply only to the 1980 plan. This topic is addressed in the March 1982 Reclamation Plan.

QUESTION #40

Please discuss the method of mychorrhizal inoculation that is being used. Is the mychorrhizal consistent with the geographical area and revegetation species?

RESPONSE #40

The original response to the 1980 plan question applies to the 1982 plan.

QUESTION #41

Page 33 states that "seed mixtures will vary with site conditions." Please define the seed mixtures and site conditions to be considered and the criteria used to determine the seed mixtures for a particular site.

RESPONSE #41

The original response to the 1980 plan question applies to the 1982 plan. This topic is also addressed in the March 1982 Reclamation Plan.

QUESTION #42

To what specific parameters (species abundance and diversity, rangeland condition, or grazing capacity) will the site be revegetated?

RESPONSE #42

The original response to the 1980 plan question applies to the 1982 plan. The 1982 plan discusses this topic and specific revegetation success criteria are being developed for submittal to BLM.

QUESTION #43

Due to seed dormancy and climatic variability, revegetation success can normally not be assessed for five to six years after planting. Please present a justification for considering revegetation successful after only three years.

RESPONSE #43

The original response to the 1980 plan question applies to the 1982 plan. Additional revegetation success criteria are being developed.

QUESTION #44

Please summarize the test results on the revegetation species ability to concentrate hazardous elements.

RESPONSE #44

The original response to the 1980 plan question applies to the 1982 plan. This topic is also addressed in the March 1982 Reclamation Plan. Detail of vegetation analysis is submitted to the MMS office in Albuquerque, New Mexico on a regular basis.

QUESTION #45

Have the revegetation species been tested for reproductive capabilities? If not, when is the test to be completed?

RESPONSE #45

The original response to the 1980 plan question applies to the 1982 plan. The 1982 plan also discusses this topic.

QUESTION #46

Do the seeding rates shown on Table 6.1-5 represent pure live seed?

RESPONSE #46

The original response to the 1980 plan question is not applicable to the 1982 plan. The topic, however, is addressed in the 1982 plan.

QUESTION #47

Please provide a detailed discussion of the procedures and success of the revegetation that has been performed to the present time. Include a discussion of the locations, species composition and diversity, seeding mixtures, etc.

RESPONSE #47

The response to the 1980 plan question applies to the 1982 plan. This topic is discussed in the March 1982 Reclamation Plan and vegetation data is submitted to the MMS on an annual basis.

QUESTION #48

To what extent will Anaconda use containerized material during revegetation efforts?

RESPONSE #48

The original response to the 1980 plan question is not applicable to the 1982 plan. A tentative agreement has been reached between Anaconda and the Pueblo that between 500 and 1000 tree seedlings be planted with a survival rate of at least 400 trees after three growing seasons. The parties agreed that of the trees planted, 95% will be one-seed juniper and 5% pinion pine.

QUESTION #49

Please provide a discussion of the seeding rates and seeding dates that are anticipated.

RESPONSE #49

The original response to the 1980 plan question is not applicable to the 1982 plan. This topic is addressed in the March 1982 Reclamation Plan.

QUESTION #50

Page 30 states that the permanent structures will be radiologically cleaned up. What specific standard will be used to assess the cleanup?

RESPONSE #50

The original response to the 1980 plan question applies to the 1982 plan. This topic is discussed in the March 1982 Reclamation Plan and Response 13 of the questions pertaining to the 1982 plan.

QUESTION #51

Page 30 states that roads, parking lots, etc., will be cleared of radiological contaminants. What specific standard will be used to assess the cleanup?

RESPONSE #51

The original response to the 1980 plan question is not applicable to the 1982 plan. This topic is discussed in the March 1982 Reclamation Plan.

QUESTION #52

Page 27 states that all hazardous material will be removed from Dump J area. What specific standard will be used to assess the cleanup?

RESPONSE #52

The original response to the 1980 plan question is not applicable to the 1982 plan. The disposition of J dump is addressed in the 1982 plan.

QUESTION #53

Please provide a discussion and maps of the location, amount, and chemical composition of the backfill that has already been placed in the open pits.

RESPONSE #53

The original response to the 1980 plan question applies generally to the March 1982 plan.

QUESTION #54

The reclamation report submitted to this office on January 31, 1980, showed three large ore stockpiles (17-E, SP-1, and J-1-A) adjacent to the Jackpile pit; but these stockpiles are not shown in the reclamation plan. Please explain this discrepancy.

RESPONSE #54

The original response to the 1980 plan question generally applies to the 1982 plan. Protore pile 17E has not been shipped for processing and is still located in the pit. Protore piles 17-E, SP-1 and J-1-A are sub-economic material and are labeled as "existing backfill" on the appropriate cross-sections. However, be aware that the cross-sections have changed somewhat from the 1980 plan to the 1982 plan.

QUESTION #55

Will Anaconda adhere to the State of New Mexico's compaction requirements for a roadbed for Highway 279?

RESPONSE #55

The original response to the 1980 plan question applies generally to the 1982 plan.

QUESTION #56

Will Anaconda give hiring preferences to the Laguna people throughout the reclamation process?

RESPONSE #56

The original response to the 1980 plan question applies to the 1982 plan. This topic is also discussed in Response 6 of the October 27, 1981 letter requesting employment data and again in Response 17 of the questions pertaining to the 1982 plan.

QUESTION #57

Please provide a summary and analysis of the data obtained from the various environmental monitoring systems at the mine (e.g., radon and particulate air sampling, surface and sub-surface water sampling, gamma and radon flux for each waste pile and soil analysis).

RESPONSE #57

The original response to the 1980 plan question applies to the 1982 plan. Environmental monitoring information is submitted on a regular basis to the MMS, Albuquerque Office.

QUESTION #58

Please provide an estimate of the costs of reclamation. This information may be held confidential if you so desire, and if it is submitted under separate cover.

RESPONSE #58

This information is contained in Response 3 of the questions pertaining to the 1982 plan.

QUESTION #59

Please provide the definition which you use for the following terms: ore, protore, ore-associated waste, waste, cover, non-hazardous material, and fill.

RESPONSE #59

The original response to the 1980 plan question is not applicable to the 1982 plan.

QUESTION #60

Please submit a general time-table for reclamation.

RESPONSE #60

The original response to the 1980 plan question is not applicable to the 1982 plan. The reclamation schedule is addressed in Response 1 of the questions pertaining to the 1982 plan.

QUESTION #61

Has Anaconda assessed the mine's radiological impacts on the Village of Paguate? If so, what levels were observed? Does Anaconda plan to take any measures to mitigate this impact?

RESPONSE #61

The original response to the 1980 plan question applies to the 1982 plan. Additional information related to this question is addressed in Response 12 of the questions pertaining to the 1982 plan.

QUESTION #62

Please provide a discussion and data on the radiological content of the rail-spur ballast material, and on the soils adjacent to the spur.

RESPONSE #62

The original response to the 1980 plan question applies to the 1982 plan. Additional information is contained in Response 2 of the questions pertaining to the 1982 Reclamation Plan.

QUESTION #63

Ponding of surface waters occurs behind the blocked drainages after rainfall and snow-melt. Has Anaconda assessed the likelihood of this water becoming radiologically contaminated by its contact with the waste material in the blockages? Has Anaconda considered the benefits of building small dams upstream from the blockages to catch this water before it comes in contact with the blockages?

RESPONSE #63

The original response to the 1980 plan question applies to the 1982 plan. Additional information is contained in the March 1982 Reclamation Plan.

QUESTION #64

Please submit a detailed description of the type of fencing that is proposed for the highwalls, and the rationale behind the decision to fence only a portion of the highwall.

RESPONSE #64

The original response to the 1980 plan question applies to the March 1982 Reclamation Plan. This topic is also discussed in the March 1982 Reclamation Plan.

QUESTION #65

Please discuss the disposition of all sewage lagoons.

RESPONSE #65

The original response to the 1980 plan question applies to the March 1982 Reclamation Plan.

QUESTION #66

Open pit cross-sections seem to differentiate between "excavation limit" and "natural ground," but the two designations overlap on several cross-sections. Please clarify these designations.

RESPONSE #66

The response to the 1980 plan question applies to the March 1982 Reclamation Plan. Designations are the same, however, be aware that the pit cross-sections have changed.

QUESTION #67

Please correct Table 6.1-1 to include the amount and type of cover for Dumps O and P.

RESPONSE #67

The original response to the 1980 plan question is not applicable to the March 1982 Reclamation Plan. This topic is discussed in the 1982 Reclamation Plan.

QUESTION #68

Plate 4.1-2 shows that a portion of ore pile J-2 will be milled, and a portion will be used for backfill. Please provide a justification for this split disposition.

RESPONSE #68

The original response to the 1980 plan question is not applicable to the 1982 plan.

QUESTION #69

Plate 4.1-2 shows that only a portion of ore pile 10 will be milled. Please provide a justification for the split disposition, and a discussion of the disposition of the remaining portion.

RESPONSE #69

The original response to the 1980 plan question applies to the 1982 plan. However, Plate 4.2-1 does not differentiate protore pile 10 from 10D.

QUESTION #70

The overall slope on Plate 6.1-9I is marked incorrectly.

RESPONSE #70

The original response to the 1980 plan question is not applicable to the 1982 plan.

QUESTION #71

The location of Dump M is not shown on any of the maps. Where is Dump M, and what is its proposed disposition?

RESPONSE #71

The original response to the 1980 plan question applies to the March 1982 Reclamation Plan.

QUESTION #72

Please discuss the content and disposition of the red portions of the SP-1 ore stockpile and the R Dump on Plate 4.1-2.

RESPONSE #72

The original response to the 1980 plan is not applicable to the 1982 plan. Related information is contained in the March 1982 Reclamation Plan.

QUESTION #73

Why is ore stockpile SP-2 now shown as a waste dump on Plate 4.1-2?

RESPONSE #73

The original response to the 1980 plan question is not applicable to the 1982 plan.

QUESTION #74

Plate 4.1-2 shows that stockpile SP-1 will be milled, but cross-section D-D' shows that it will remain in place, with modification. Which figure is correct?

RESPONSE #74

The original response to the 1980 plan question is not applicable to the 1982 plan. The deposition of SP-1 is discussed in the March 1982 Reclamation Plan.

QUESTION #75

Please provide the legend for the cross-hatching and shading shown on Plates 6.1-1 and 6.1-3.

RESPONSE #75

The original response to the 1980 plan question is not applicable to the 1982 plan. The plate symbols are described in the March 1982 Reclamation Plan.

QUESTION #76

Plate 5.2-1 shows several control grids. Are these the gamma survey control stations discussed in 5.2 (e) on Page 23?

RESPONSE #76

The original response to the 1980 plan question applies to the 1982 plan. Gamma surveys are discussed in the March 1982 Reclamation Plan.

QUESTION #77

Plate 4.1-3 and 4 show numerous shaft symbols on Black Mesa above the P-10 Mine. These symbols obviously do not represent ventilation shafts. What do they represent?

RESPONSE #77

The original response to the 1980 plan question is not applicable to the 1982 plan.

QUESTION #78

Please provide a description of the location and purpose of the Quirk loading dock.

RESPONSE #78

The original response to the 1980 plan question applies to the March 1982 Reclamation Plan.

QUESTION #79

Please provide the details of capping the water wells discussed on Page 31.

RESPONSE #79

The response to the 1980 plan question applies to the March 1982 Reclamation Plan, however, the page number quoted above applies only to the 1980 plan. This topic is also discussed in the March 1982 Reclamation Plan.